

Road 4

Datum: 37.000M AOD

CHAINAGE ON CENTRELINE (m)	LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	EXISTING LEVELS (m)	MANHOLE COVER LEVELS APPROX (m)	FOUL WATER SEWER INVERT LEVELS (m)	SURFACE WATER SEWER INVERT LEVELS (m)	MANHOLE DIAMETER (mm)
0.00	44.792			44.473	44.792		42.38	Type B 150
2.40	44.732							Unknown 1200
10.00	44.54			44.245	44.401	43.052		
20.00	44.282			43.987				
30.00	44.03	GRADIENT -2.6% (-1 in 38) LENGTH = 55.084m	STRAIGHT LENGTH = 49.758m	43.719			3750 1/47 L=56.73 PN=4.002	
40.00	43.774			43.447				
50.00	43.516			43.159				
57.484	43.328		L = 53.3m	42.863	43.309		41.22	Type B 150
60.484	43.253				43.183	39.382		Type A 1200

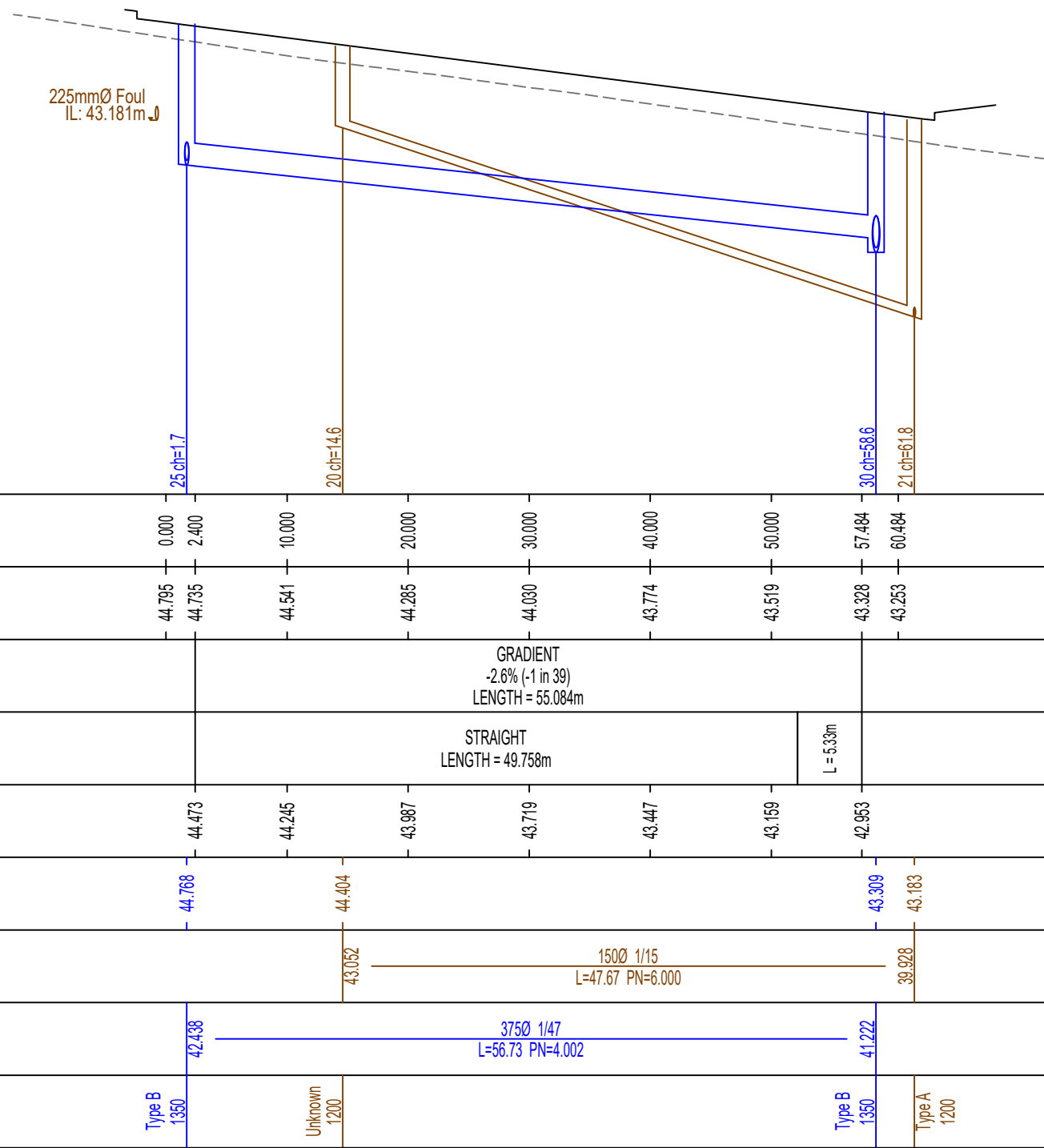
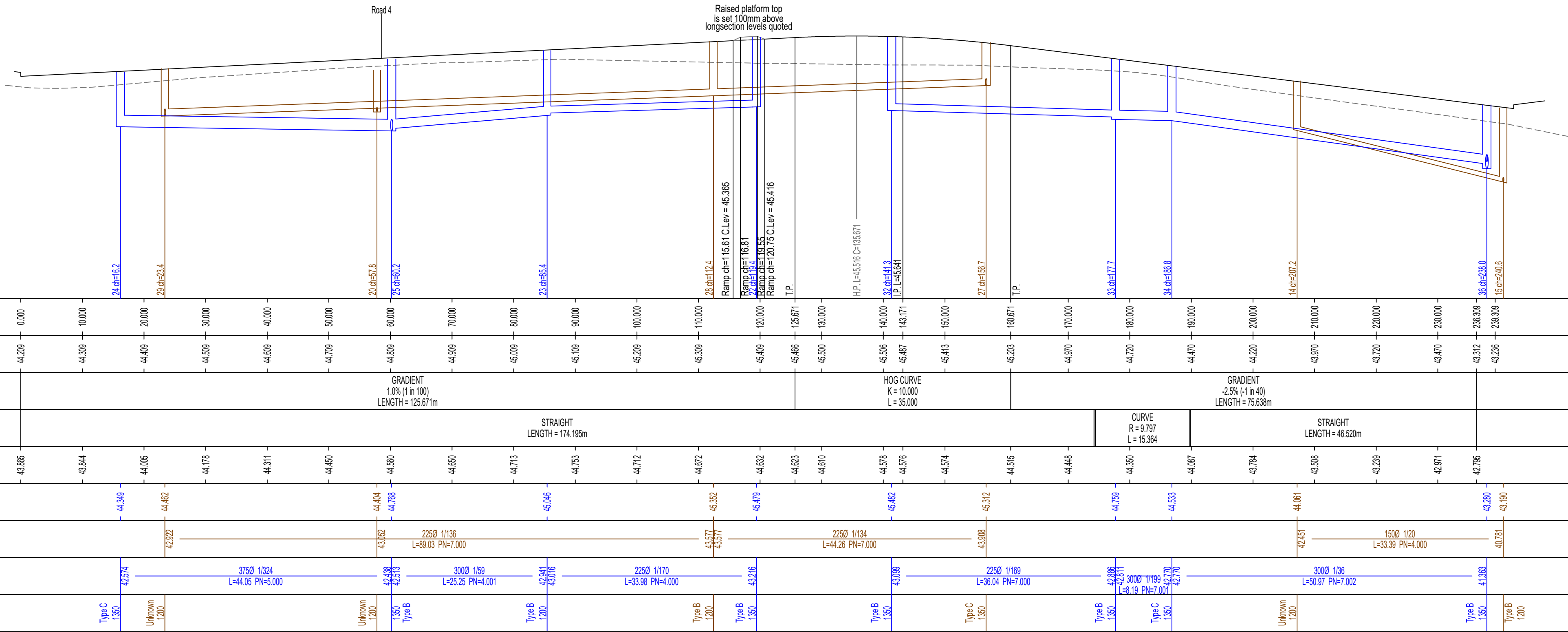
225mm Ø Foul
L: 43.181m

20.0% = 14.6

20.0% = 58.1

21.0% = 51.3

1500 1/15
L=47.67 PN=6.000

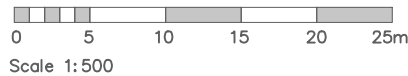
[illegible]

Manhole Schedule/Longsection:

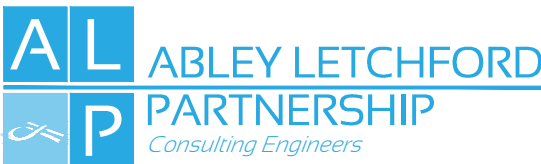
2. Do not scale.
3. This drawing is to be read in conjunction with and checked against all other drawings, Engineering details, Specification and any Natural, Geotechnical or other specialist document provided.
4. Site layout shown for context only, refer to other project drawings for details.
5. All drainage for the drainage works to be constructed as detailed in design and construction guidance or as stipulated in the water authorities addendum.
6. All public sewers are to be to the subject of a section 104 agreement with the water industry act 1991.
7. Invert levels of existing manholes and sewers are to be checked on site before construction commences and results reported to engineer.
8. The contractor is responsible for maintaining continuity of flow for all existing sewers within the site boundary and limit of works for the duration of the project.
9. All drainage networks to comply with the BS EN124, and be stamped with BS kitemark, covered with the following:-
 - carriageways and paths - d400
 - driveways and verges - c250
 - footways and pedestrian areas - b125
 - gardens/landscaping - a15
10. All sewer pipes, up to, and including 225mm are to be vitrified clay to BS EN295. All sewer pipes 300mm diameter and above are to be concrete pipes to BS EN316. Where agreed with the engineering authority pipes up to and including 600mm diameter can be PVC-U to BS EN1404.
11. All drainage shall be installed and tested strictly in accordance with the manufacturers' printed instructions, as per EN752, by an authorised water authority registered contractor following building regulations.
12. All bedding shall be class 5 unless noted otherwise.
13. All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted type 1 granular sub-base material.
14. Carriage land beneath roads and areas of vehicular access (car parking etc) with less than 1200mm of cover shall be encased in concrete bed of suitable strength. Where there is no movement joints drainage land beneath paths, footways and pedestrian areas with less than 900mm of cover shall be similarly treated.
15. Chambers with guarding pipes greater than 600mm diameter shall have cast iron grates, safety chains or other approved safety devices.
16. The use of precast concrete products made with sulphate resisting cement is mandatory, unless a laboratory report covering bed conditions is provided.
17. All sewers to be abandoned must be surveyed to identify any lateral connections that are still live with sufficient to be referred to the engineering authority.
18. All storm and storm water drains which are not to be adopted as public sewers shall be in accordance with document of the water authorities, together with h/bcs standards chapter 5.3 and BS8303.
19. Where pipes pass through footways, retaining or screen walls, lintels to be inverted are less than 0.6m deep inspection chambers (1.0m, 1500mm or access frames (225 x 1000mm) to be used, if feasible. Where appropriate, brick or pvc is to be used and the following details taken with table 11 of document n of the building regulations:-
 - >0.6m to invert min dn300, >0.6m to invert min dn450
20. Where required 1m deep root barrier of an approved type to be installed vertically along the back edging kerb of all areas of footway/ demarcation to protect from both proposed and future plantations.
21. Construction details subject to refinement through detailed design/technical approval process.

KEY:

EXISTING GROUND PROFILE
PROPOSED CENTERLINE PROFILE
PROPOSED SURFACE WATER
PROPOSED FOUL SEWER
CONCRETE PROTECTION



B	08.24	Updated to suit latest layout & drainage design	LC	DS
A	07.24	First Issue	LC	DS
Rev	Date	Description	Drawn	Checked



3 Tealgate, Charnham Park
Hungerford, Berkshire RG17 0YT
www.alpce.co.uk Tel: 01488 684390

BELLWAY HOMES

Project

LAND NORTH OF
ARBORFIELD ROAD,
SHINFIELD

Title
FULL APPLICATION
LONGITUDINAL SECTIONS
SHEET 2

Status

Scale 1:500 H @ A1 1:100 V	Date JUNE 2024	Drawn LC	Checked DS
Drawing No HD008-FA-152			Revision B